

L15 ANSWER 54 OF 101 CA COPYRIGHT 2002 ACS
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TI Complementation of class II A alleles in the immune response to
(GluLysTyr) polymers
AU Lai, C. H.; Babu, U. M.; Matsunaga, K.; Nagy, Z. A.; Klein, J.; Turchin,
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CS Jefferson Med. Coll., Thomas Jefferson Univ., Philadelphia, PA, 19107, USA
SO Exp. Clin. Immunogenet. (1986), 3(1), 38-48
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DT Journal
LA English
AB The proliferative T cell responses to poly(GluLysTyr) (GLT) and
poly(GluLysPhe) (GLPhe) are restricted by the E.alpha.E.beta. class II MHC
mol. (E) in most responder mouse strains. Some nonresponder strains that
carry responder E.beta., but cannot express cell surface E mols., can
complement with other nonresponder strains that provide the missing
E.alpha. chain needed for the expression of E mols. and for responsiveness
to GLT and GLPhe. Here, another type of complementation is described
between 2 E-nonexpressor haplotypes, H-2f and H-2s, which result in
E-nonexpressor F1 hybrids, which are responders to GLT. The restriction
element involved in this response is an Af/Ashybrid mol. The data support
the hypothesis that conformational determinants resulting from the free
assocn. of .alpha. and .beta. chains in heterozygotes can increase the
immune potential of the individual.

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Exhibit 28